

REMARKS/ARGUMENTS

Applicant responds herein to the Office Action dated October 20, 2005.

Claims 1-22 were rejected under 35 U.S.C. §103(a) as being unpatentable over Yumoto (U.S. 2003/0080874 A1), and further in view of (Kamieniecki U.S. 2003/0066080 A1).

Reconsideration of the rejection is respectfully requested.

Independent claim 1 provides for, "[a] remote-control system including a mobile radio-signal terminal, a data server, and a network allowing said mobile radio-signal terminal and said data server to communicate with each other therethrough, wherein said mobile radio-signal terminal includes: (a) a memory storing a plurality of remote-control codes therein; (b) a signal transmitter which transmits a first remote-control signal to a target device, based on a remote-control code selected among said remote-control codes for causing said target device to carry out a desired operation; (c) a signal receiver which receives a second remote-control signal indicative of a certain operation, from a terminal which remote-controls said target device; and (d) a controller which (d1) determines a remote-control code, based on said second remote-control signal having been received by said signal receiver, (d2) receives a set of remote-control codes from said data server, and (d3) stores the thus received set of remote-control codes in said memory as said plurality of remote-control codes, and wherein said data server receives said second remote-control signal, and transmits said set of remote-control codes associated with said target device and selected in accordance with said second remote-control signal, to said mobile radio-signal terminal."

Independent claim 7 provides for, "[a] mobile radio-signal terminal capable of making radio-signal communication with another radio-signal terminal through a network, including: (a) a signal transmitter which transmits a first remote-control signal to a target device for remote-controlling said target device to carry out a desired operation; (b) a signal receiver which receives a second remote-control signal indicative of a certain operation, from a terminal which remote-controls said target device; (c) a controller which obtains a remote-control code determined, based on said second remote-control signal having been received by said signal receiver; (d) a radio-signal transceiver which transmits said remote-control code to a data server through said network, and receives a set of remote-control codes used for remote-controlling said target

device, from said data server through said network, said set of remote-control codes being selected in accordance with said remote-control code; and (e) a memory storing said set of remote-control codes having been received by said radio-signal transceiver, wherein said controller reads a remote-control code out of said memory for causing said target device to carry out a desired operation, transmits the thus read-out remote-control code to said signal transmitter, and causes said signal transmitter to produce said first remote-control signal."

Independent claim 12 provides for, "[a] method of storing remote-control data used for remote-controlling a target device, comprising the steps of: (a) transmitting a remote-control signal to a mobile radio-signal terminal; (b) transmitting said remote-control signal from said mobile radio-signal terminal to a data server; (c) identifying a target device to be remote-controlled, based on said remote-control signal; (d) identifying remote-control data used for remote-controlling said target device, to carry out at least one operation, among a plurality of remote-control data stored in said data server, said remote-control data being identified in accordance with said remote-control signal; (e) transmitting the thus identified remote-control data to said mobile radio-signal terminal; and (f) storing said remote-control data in a memory in said mobile radio-signal terminal."

Independent claim 19 provides for, "[a] program installed in a mobile radio-signal terminal for causing a controller to carry out a method of storing remote-control data used for remote-controlling a target device, steps executed by said controller in accordance with said program including: (a) receiving a remote-control signal from a remote-controller used for remote-controlling said target device; (b) transmitting said remote-control signal to a data server; (c) receiving remote-control data used for remote-controlling said target device to carry out at least one operation which remote-control data has been identified among a plurality of remote-control data stored in said data server, said remote-control data being identified in accordance with said remote-control signal; and (d) storing the thus received remote-control data in a memory in said mobile radio-signal terminal."

In connection with independent claims 1, 7, 12, and 19, among other claims, the Examiner contends that Yumoto teaches a data server, (Office Action, page 2, paragraph 2, lines 5-6). Applicant respectfully disagrees. On the contrary, Yumoto only discloses a control device and a device to be controlled along with a communication path, as shown in Fig. 1, but nowhere

teaches, discloses, or suggests the existence of a data server receiving a remote-control signal or code and transmitting a set of remote-control codes or remote control data associated with or for remote-controlling a target device, the set of remote-control codes or remote control data being selected or identified in accordance with the remote-control signal or code, as claimed in independent claims 1, 7, 12, and 19.

The assertion of the Examiner in connection with independent claims 1, 7, 12, and 19, among other claims, that paragraph 0078, line 1, through paragraph 0081, line 3, and Fig. 4 supports or discloses an equivalent to the feature that there be a memory storing a plurality of remote-control codes therein included in the mobile radio-signal terminal, (Office Action, page 2, paragraph 2, lines 10-11), is also respectfully disputed. In the cited portion of the specification and also in Fig. 4 there is no disclosure, teaching, or suggestion of the storage of a plurality of remote-control codes. At most what is disclosed is the storage of various types of data in various memories of a cellular phone, the exemplary data being telephone directory data and data of transmitted and received mail, (paragraph 0079).

The Examiner admits that, "Yumoto fails to explicitly teach a signal receiver which receives a second remote control signal indicative of a certain operation, from a terminal which remote controls said target device and a controller which determines a remote control code, based on said second remote-control signal having been received by said signal receiver, receives a set of remote-control codes from said data server, and stores the thus received set of remote-control codes in said memory as said plurality of remote-control codes, and wherein said data server receives said second remote-control signal, and transmits said set of remote-control codes associated with said target device and selected in accordance with said second remote-control signal, to said mobile radio-signal terminal," (Office Action, page 3, lines 3-12).

The Examiner, however, alleges that Kamieniecki "teaches a method and apparatus for controlling an electronic device, wherein an IR receiver receives an IR signal from a native remote control for controlling the electronic device and characteristics of the received IR signal are passed to a controller which determines a remote control code (see paragraph 0037, lines 1-18, paragraph 0044, line 1 through paragraph 0045, line 11 and Figures 1 & 2) based on said received IR signal having been received by said signal receiver," (Office Action, page 3, lines 13-18). Applicant respectfully disagrees. The cited portions of Kamieniecki disclose an IR receiver

receiving an IR signal from a native remote control, and characteristics of the received IR signal being passed to the controller, (Kamieniecki, paragraphs 0037 and 0044). However, the characteristics are used by the controller to identify the electronic device using the native remote control, (Kamieniecki, paragraph 0044, line 1, to paragraph 0045, line 4), but the controller does not determine a remote-control code, as claimed in independent claims 1 and 7.

The Examiner further alleges that Kamieniecki teaches that the controller "receives a set of remote-control codes from said data server, and stores the thus received set of remote-control codes in said memory as said plurality of remote-control codes (see paragraph 0045, line 1 through paragraph 0046, line 9, paragraph 0049, lines 1-9 and paragraph 0052, lines 1-7)," (Office Action, page 3, lines 19-22). However, the cited portions of Kamieniecki do not refer to a remote-control code, data, or signal, that remote-control code, data, or signal specifying a remote-control signal or data causing a target device to carry out a desired operation, as claimed in independent claims 1, 7, 12, and 19. Instead, Kamieniecki, in the cited portions thereof, only teaches a method of identifying an electronic device by characteristics of a received IR signal or the use of a set-up command or set-up command sequence corresponding to selected settings of an electronic device. There is no disclosure, teaching, or suggestion of the use of a remote control code, data, or signal corresponding to a remote-control signal or data causing a target device to carry out a desired operation.

The Examiner further alleges that Kamieniecki teaches the feature of a "data server [receiving] ... said received IR signal, and [transmitting] ... said set of remote-control codes associated with said target device and selected in accordance with said received IR signal (see paragraph 0050, line 1 through paragraph 52, line 7, paragraph 0027, line 1 through paragraph 0028, line 8 and Fig. 1)," (Office Action, page 3, line 22 to page 4, line 4). However, Kamieniecki, in the cited portions thereof, only refers to set-up commands or a set-up command sequence or identifying characteristics associated with specific electronic devices but it does not refer to the use of a remote control code, data, or signal specifying a remote-control signal or data causing a target device to carry out a desired operation, as claimed in independent claims 1, 7, 12, and 19.

Since claims 2-6, 8-11, 13-18, and 20-22 are directly or indirectly dependent upon independent claims 1, 7, 12, and 19, respectively, they are allowable over Yumoto in view of

Kamieniecki for the same reasons recited above with respect to the allowability of independent claims 1, 7, 12, and 19 over Yumoto in view of Kamieniecki.

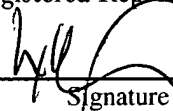
In view of the foregoing amendment and remarks, allowance of claims 1-22 is respectfully requested.

Accordingly, the Examiner is respectfully requested to reconsider the application, allow the claims as amended and pass this case to issue.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on January 20, 2006:

Max Moskowitz

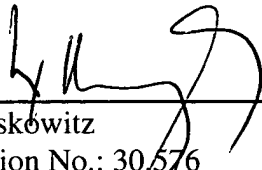
Name of applicant, assignee or
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Signature

January 20, 2006

Date of Signature

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